

Flush-type connector - SACC-E-M12FST-4CON-M16/0,5 - 1424138

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Flush-type connector, Power, 4-position, Socket, M12, T power, Front mounting, M16 x 1.5, Individual wires, cable length: 0.5 m

Why buy this product

- For compact devices: transmit high power in a confined space
- Pre-assembled with litz wires for immediate use
- Customer-specific assemblies and litz wire lengths available
- Sealed on the litz wire side for optimum leak-tightness
- For high transmission safety: shield connection to the housing with optional EMC nut



Key Commercial Data

| | |
|--------------|---------------|
| Packing unit | 1 STK |
| GTIN | |
| GTIN | 4046356693400 |

Technical data

Dimensions

| | |
|-----------------|-------|
| Length of cable | 0.5 m |
|-----------------|-------|

Ambient conditions

| | |
|---------------------------------|----------------------------------|
| Ambient temperature (operation) | -25 °C ... 85 °C (Plug / socket) |
| Degree of protection | IP67 |

General

| | |
|-----------------------|--|
| Note | The electrical and mechanical data specified assume that the connector pair is correctly locked and mounted. If the connector is unlocked and if there is a danger of contamination, the connector must be sealed using a protective cap > IP54. Influences arising from litz wires, cables or PCB assembly must also be taken into consideration. |
| Rated current at 40°C | 12 A |
| Rated voltage | 63 V |

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Technical data

General

| | |
|-----------------------------|--|
| Rated surge voltage | 1.5 kV |
| Number of positions | 4 |
| Insulation resistance | ≥ 100 MΩ |
| Coding | T power |
| Standards/regulations | M12 connector IEC 61076-2-111 In line with |
| Signal type/category | Power |
| Status display | No |
| Overvoltage category | III |
| Degree of pollution | 3 |
| Test voltage | 1.5 kV |
| Connection method | Individual wires |
| Insertion/withdrawal cycles | > 100 |
| Torque | M12 connector |
| Mounting type | Front mounting M16 x 1.5 |

Material

| | |
|--|---------------------------|
| Flammability rating according to UL 94 | V0 |
| Contact material | CuZn |
| Contact surface material | Au |
| Contact carrier material | PA |
| Material, knurls | CuZn alloy, nickel-plated |
| Sealing material | FKM |
| Additional material specifications | PU 2K (Grout material) |

Cable

| | |
|------------------------------------|--|
| Cable type | UL/cUL stranded hook-up wire |
| Conductor cross section | 1.31 mm² |
| AWG signal line | 16 |
| Core diameter including insulation | 2 mm |
| Wire colors | Black, brown, blue, white |
| Conductor material | Bare Cu litz wires |
| Standards/specifications | M12 connector IEC 61076-2-111 In line with |
| Flame resistance | in acc. to UL 1581 VW1 |
| Halogen-free | yes |
| Ambient temperature (operation) | -40 °C ... 105 °C (cable, fixed installation) |
| | -20 °C ... 105 °C (cable, flexible installation) |

Standards and Regulations

| | |
|-----------------------|------------------------|
| Standard designation | M12 connector |
| Standards/regulations | IEC 61076-2-111 |
| Flame resistance | in acc. to UL 1581 VW1 |
| Halogen-free | yes |

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Technical data

Standards and Regulations

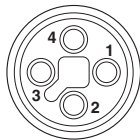
| | |
|--|----|
| Flammability rating according to UL 94 | V0 |
|--|----|

Environmental Product Compliance

| | |
|------------|---|
| REACH SVHC | Lead 7439-92-1 |
| China RoHS | Environmentally Friendly Use Period = 50 |
| | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

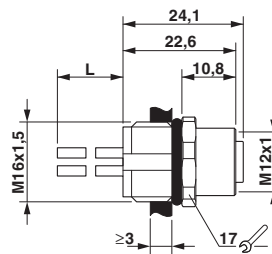
Drawings

Schematic diagram



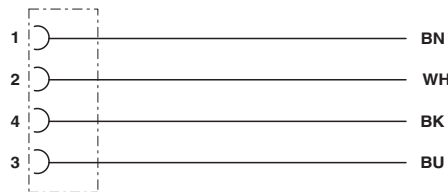
Pin assignment of M12 socket, 4-pos., T-coded, socket side view

Dimensional drawing



M12 flush-type socket

Circuit diagram



Contact assignment of the M12 socket

Approvals

Approvals

Approvals

UL Listed / cUL Listed / EAC / cULus Listed

Ex Approvals

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Approvals

Approval details

| | | | |
|----------------------------|--|---|---------------|
| UL Listed | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 468743 |
| | | | |
| Nominal voltage UN | | 63 V | |
| Nominal current IN | | 12 A | |
| mm ² /AWG/kcmil | | 16 | |

| | | | |
|----------------------------|--|---|---------------|
| cUL Listed | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 468743 |
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| Nominal voltage UN | | 63 V | |
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| | | |
|-----|--|---------|
| EAC | | B.01742 |
|-----|--|---------|

| | |
|--------------|--|
| cULus Listed | |
|--------------|--|

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